

PTO/SB/08A

**SUPPLEMENTAL INFORMATION
DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/651,651
Filing Date	August 30, 2000
Confirmation Number	
First Named Inventor	Michael Lassner et al.
Group Art Unit	1646
Examiner Name	

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Sheet	1	of	1	Attorney Docket No.	MTC 6718
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JUL 10 2001

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
RK	61	WO	99/63096 /	A2/A3	Lassner, Michael W. et al.	12-09-1999	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	62	International Search Report Dated May 25, 2001 for PCT/US00/23863	
RK	63	FRENTZEN, MARGRIT; "Acyltransferases From Basic Science To Modified Seed Oils"; <i>Fett/Lipid</i> ; Vol. 100, No. 4/05; pp. 161-166; 1998.	
RK	64	HOBBS, DOUGLAS H. et al.; "Cloning Of A cDNA Encoding Diacylglycerol Acyltransferase From <i>Arabidopsis Thaliana</i> And Its Functional Expression"; <i>Febs Letters</i> ; Vol. 452; No. 3; pp. 145-149; 1999.	
RK	65	NYKIFORUK, C.L. et al.; "Brassica Napus Putative Diacylglycerol Acyltransferase (DGATI) mRNA"; XP002161573 /	
RK	66	TANIYAMA YOSHIO et al.; "Cloning And Expression Of A Novel Lysophospholipase Which Structurally Resembles Lecithin Cholesterol Acyltransferase"; <i>Biochemical and Biophysical Research Communications</i> ; Vol. 257; pp. 50-56; 1999.	

Examiner
Signature

Russell Kaelin

Date
Considered

12/10/04

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Sheet 1 of 6	Attorney Docket No.	MTC 6718	

U.S. PATENT DOCUMENTS					
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		Number	Kind Code ² (if known)		
RK	1	4,588,717 /		Mitchell	05-13-1986
	2	5,106,739 /		Comai et al.	04-21-1992
	3	5,244,887 /		Straub	09-14-1993
	4	5,270,041 /		Eugster et al.	12-14-1993
	5	5,348,886 /		Lee et al.	09-20-1994
	6	5,378,619 /		Rogers	01-03-1995
	7	5,420,034 /		Kridl et al.	05-30-1995
	8	5,593,874 /		Brown et al.	01-14-1997
	9	5,608,152 /		Kridl et al.	03-04-1997
	10	5,633,435 /		Barry et al.	05-27-1997
W	11	5,639,790 /		Voelker et al.	06-17-1997
RK	12	5,693,507 /		Daniell	12-02-1997

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		Office	Number ⁴	Kind Code ² (if known)			
RK	13	EPO	0 120 515 ✓		Schilperoort	02-22-1990	X
	14	EPO	0 255 378 B1 ✓		Kridl	04-13-1994	X
	15	PCT	WO 96/38047 ✓		Lievense	12-05-1996	
	16	PCT	WO 97/10328 ✓		Zwick et al.	03-20-1997	X
	17	PCT	WO 97/42830 ✓		Ritter et al.	11-20-1997	
	18	PCT	WO 98/06405 ✓		Wester et al.	02-19-1998	
RK	19	PCT	WO 98/06714 ✓		Walsh	02-19-1998	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
RK ✓	20	ALTSCHUL et al., "Basic Local Alignment Search Tool", <i>J. Mole. Biol.</i> , Oct. 1990, pp. 403-10, Vol. 215, No. 3, Academic Press, Great Britain	
RK ✓	21	BECHTOLD et al., "In planta <i>Agrobacterium</i> mediated gene transfer by infiltration of adult <i>Arabidopsis thaliana</i> plants", <i>Life Sciences</i> , Oct. 1993, pp. 1194-99, Vol. 316, No. 10, C.R. Acad, France	
RK ✓	22	BENT et al., "RPS2 of <i>Arabidopsis thaliana</i> : A Leucine-Rich Repeat Class of Plant Disease Resistance Gene, <i>Science</i> , Sep. 1994, pp. 1856-60, Vol. 265, American Assoc. for the Advancement of Science, USA	

Examiner Signature	<i>Russell Hall</i>	Date Considered	12/10/04
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Sheet	3	of	6
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RIK	23	✓	CHANG et al., "Molecular Cloning and Functional Expression of Human Acyl-Coenzyme A:Cholesterol Acyltransferase cDNA in Mutant Chinese Hamster Ovary Cells", <i>Journal of Biological Chemistry</i> , Oct. 1993, pp. 20747-55, Vol. 268, Amer. Soc. Biochem. and Mol. Bio., USA.	
	24	✓	CHANG et al., "Acyl-Coenzyme A:Cholesterol Acyltransferase", <i>Annual Review of Biochemistry</i> , 1997, pp. 613-38, Vol. 66, Annual Reviews Inc., USA	
	25	✓	CHEN et al., "Functional analysis of regulatory elements in a plant embryo-specific gene", <i>Proceedings of the National Academy of Science</i> , Nov. 1986, pp. 8560-64, Vol. 83, No. 22, Natl. Acad. Sci., USA	
	26	✓	CORUZZI et al., "Tissue specific and light-regulated expression of a pea nuclear gene encoding the small subunit of ribulose-1,5-bisphosphate carboxylase", <i>The EMBO Journal</i> , Aug. 1984, pp. 1671-79, Vol. 3, No. 8, IRL Press, Great Britain	
	27	✓	COULSON, "High-performance searching of biosequence databases", <i>Trends in Biotechnology</i> , March 1994, pp. 76-80, Vol. 12, No. 3, Elsevier Science Ltd.	
	28	✓	DAHLQVIST et al., "Phospholipid:diacylglycerol acyltransferase: An enzyme that catalyzes the acyl-CoA-independent formation of triacylglycerol in yeast and plants", <i>Proc. Natl. Acad. Sci.</i> , June 2000, pp. 6487-92, Vol. 97, No. 12, Proc. Natl. Acad. Sci., USA	
	29	✓	DEPICKER et al., "Nopaline Synthase: Transcript Mapping and DNA Sequence", <i>J. Mol. and Appl. Gene.</i> , 1982, pp. 561-73, Vol. 1, No. 6, Raven Press, New York	
	30	✓	DEVEREUX et al., "A comprehensive set of sequence analysis programs for the VAX", <i>Nuc. Acids Res.</i> , Aug. 1983, pp. 387-95, IRL Press, Great Britain	
	31		DITTA et al., "Broad host range DNA cloning system for Gram-negative bacteria: Construction of a gene bank of <i>Rhizobium meliloti</i> ", <i>Proc. Natl. Acad. Sci.</i> , Dec. 1980, pp. 7347-51, Vol. 77, No. 12, Natl. Acad. Sci., USA ✓	
	32		FLING et al., "Nucleotide sequence of the transposon Tn7 gene encoding an aminoglycoside-modifying enzyme, 3'(9)-O-nucleotidyltransferase", <i>Nuc. Acids Res.</i> , May 1985, pp. 7095-7106, Vol. 13, No. 19, IRL Press, Great Britain ✓	
✓ RK	33		FROHMAN et al., "Rapid production of full-length cDNAs from rare transcripts: Amplification using a single gene-specific oligonucleotide primer", <i>Proc. Natl. Acad. Sci.</i> , Dec. 1988, pp. 8998-9002, Vol. 85, No. 23, Natl. Acad. Sci., USA	

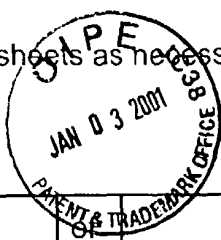
Examiner Signature	<i>Theresa Kallis</i>	Date Considered	12/00/04
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		Group Art Unit	1646	
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Sheet	4	6	Attorney Docket No.	MTC 6718



RK	34	GOODWIN, "Biosynthesis of Plant Sterols and Other Triterpenoids", <i>Biosynthesis of Isoprenoid Compounds</i> , 1981, pp. 444-80, Vol. 1, John Wiley & Sons, USA	
	35	HENIKOFF et al., "Amino acid substitution matrices from protein blocks", <i>Proc. Natl. Acad. Sci.</i> , Nov. 1992, pp. 10915-19, Vol. 89, No. 22, Natl. Acad. Sci., USA	
	36	HOLSTERS et al., "Transfection and Transformation of <i>Agrobacterium tumefaciens</i> ", <i>Molec. Gen. Genet.</i> , 1978, pp. 181-87, Vol. 163, Springer International	
	37	HOOD et al., "The Hypervirulence of <i>Agrobacterium tumefaciens</i> A281 Is Encoded in a Region of pTiBo542 Outside of T-DNA", <i>J. Bacter.</i> , Dec. 1986, pp. 1291-1301, Vol. 168, No. 3, Amer. Soc. Micro., USA	
	38	JOUANIN et al., "Localization and restriction maps of the replication origin regions of the plasmids of <i>Agrobacterium rhizogenes</i> strain A ₄ ", <i>Molec. Gen. Genet.</i> , 1985, pp. 370-74, Vol. 201, Springer International	
	39	KLEIN et al., "Transformation of Microbes, Plants and Animals by Particle Bombardment", <i>Biotechnology</i> , Mar. 1992, pp. 286-91, Vol. 10, No. 3, Nature Publishing Co., USA	
	40	KRIDL et al., "Isolation and characterization of an expressed napin gene from <i>Brassica rapa</i> ", <i>Seed Science Research</i> , Dec. 1991, pp. 209-19, Vol. 1, No. 4, C.A.B. International, U.S.A.	
	41	LEISY et al., "Expression of a rice glutelin promoter in transgenic tobacco", <i>Plant Mol. Bio.</i> , 1989-90, pp. 41-50, Vol. 14, Kluwer Academic Publishers, Belgium	
	42	MCBRIDE et al., "Improved binary vectors for <i>Agrobacterium</i> -mediated plant transformation", <i>Plant Mol. Bio.</i> , Feb. 1990, pp. 269-76, Vol. 14, No. 2, Kluwer Academic Publishers, Belgium	
	43	MCLEAN et al., "Human lecithin-cholesterol acyltransferase gene: complete gene sequence and sites of expression", <i>Nuc. Acids Res.</i> , Nov. 1986, pp. 9397-9406, Vol. 14, No. 23, IRL Press, Great Britain	
	44	MORELLI et al., "A short conserved sequence is involved in the light-inducibility of a gene encoding ribulose 1,5-biophosphate carboxylase small subunit of pea", <i>Nature</i> , May 1985, pp. 200-04, Vol. 315, No. 6016, Macmillan Journals, Ltd., Great Britain	
RK	45	NAPOLI et al., "Introduction of a Chimeric Chalcone Synthase Gene into <i>Petunia</i> Results in Reversible Co-Suppression of Homologous Genes <i>in trans</i> ", <i>The Plant Cell</i> , Apr. 1990, pp. 279-89, Vol. 2, Amer. Soc. of Plant Phys., USA	

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BR	46	NEEDLEMAN et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", <i>J. Molec. Biol.</i> , Mar. 1970, pp. 443-53, Vol. 48, Academic Press, Great Britain	
	47	OELKERS et al., "A Lecithin Cholesterol Acyltransferase-like Gene Mediates Diacylglycerol Esterification in Yeast", <i>J. Bio. Chem.</i> , May 2000, pp. 15609-612, Vol. 275, No. 21, Amer. Soc. Biochem. and Mol. Biol., USA	
	48	RADKE et al., "Transformation and regeneration of <i>Brassica rapa</i> using <i>Agrobacterium tumefaciens</i> ", <i>Plant Cell Reports</i> , 1992, pp. 499-505, Vol. 11, Springer-Verlag	
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	50	SCHWENDER et al., "Biosynthesis of Sterols in Green Algae (<i>Scenedesmus</i> , <i>Chlorella</i>) According to a Novel, Mevalonate-Independent Pathway", <i>Phys., Bio. and Mol. Bio Plant Lipids</i> , 1997, pp. 180-82, Kluwer Academic Publishers, The Netherlands	
	51	SMITH et al., "Identification of Common Molecular Subsequences", <i>J. Mole. Bio.</i> , Mar. 1981, pp. 195-97, Vol. 147, No. 1, Academic Press, Great Britain	
	52	SMITH et al., "Antisense RNA inhibition of polygalacturonase gene expression in transgenic tomatoes", <i>Nature</i> , Aug. 1988, pp. 725-26, Vol. 334, No. 6184, Macmillan Magazines Ltd., Great Britain	
	53	SVAB et al., "Stable transformation of plastids in higher plants", <i>Proc. Natl. Acad. Sci.</i> , Nov. 1990, pp. 8526-30, Vol. 87, No. 21, Natl. Acad. Sci., USA	
	54	SVAB et al., "High-frequency plastid transformation in tobacco by selection for a chimeric <i>aadA</i> gene", <i>Proc. Natl. Acad. Sci.</i> , Feb. 1993, pp. 913-17, Vol. 90, No. 3, Natl. Acad. Sci., USA	
✓	55	UELEMEN et al., "Tissue-specific Expression and Cholesterol Regulation of Acylcoenzyme A: Cholesterol Acyltransferase (ACAT) in Mice", <i>J. Biol. Chem.</i> , Nov. 1995, pp. 16192-201, Vol. 270, No. 44, Amer. Soc. Biochem. and Mol. Biol., USA	
RK	56	VALVEKENS et al., "Agrobacterium tumefaciens-mediated transformation of <i>Arabidopsis thaliana</i> root explants by using kanamycin selection", <i>Proc. Natl. Acad. Sci.</i> , Aug. 1988, pp. 5536-40, Vol. 85, No. 15, Natl. Acad. Sci., USA	

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RK	57	WATERHOUSE et al., "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA", <i>Proc. Natl. Acad. Sci.</i> , Nov. 1998, pp. 13959-64, Vol. 95, No. 23, Natl. Acad. Sci., USA	
RK	58	WEBB et al., "DNA Extraction from a Previously Recalcitrant Plant Genus", <i>Plant Mole. Bio. Rep.</i> , Aug. 1990, pp. 180-85, Vol. VIII, No. 3, Inter. Soc. Plant Mole. Bio., USA	
RK	59	YANG et al., "Sterol Esterification in Yeast: A Two-Gene Process", <i>Science</i> , May 1996, pp. 1353-56, Vol. 272, Amer. Assoc. Adv. Sci., USA	
RK	60	YU et al., "Molecular Cloning and Characterization of Two Isoforms of <i>Saccharomyces cerevisiae</i> Acyl-CoA: Sterol Acyltransferase", <i>J. Bio. Chem.</i> , Sep. 1996, pp. 24157-63, Vol. 271, No. 39, Amer. Soc. Biochem. and Mol. Bio., USA	

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